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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/522,318	01/25/2005	Manfred Fuchs	P04,0510	5973

26574 7590 04/05/2006

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PATENT DEPARTMENT
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EXAMINER

CHEN, BRET P

ART UNIT	PAPER NUMBER
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1762

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/522,318

Applicant(s)

FUCHS ET AL.

Examiner

B. Chen

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 1/23/06.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 2-14 are pending in this application. Amended claims 2-3, 8-12; newly added claim 14; and canceled claim 1 are noted.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 2-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 14 line 3, the phrase "in a vaporization phase" is deemed confusing as to what it is referring to. Specifically, what is in the vaporization phase?

In claim 14 line 3, the phrase "simultaneously vaporizing an alkali halogenide phrase with an alkali halogenide" is deemed vague and confusing as to what is supposed to be simultaneous to the vaporizing step.

In claim 14 line 4, the term "alkali halogenide" is confusing. The examiner requests a clarification on the difference between an alkali halogenide and an alkali halide.

In claim 2, the term "the vapor deposition" lacks antecedent basis.

In claim 3, the term "the luminophore layer" lacks antecedent basis.

In claim 3, the phrase "implementing a temperature treatment of the luminophore layer the vapor deposition and a cooling" is vague and confusing. It is not clear if the temperature

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treatment is cooling or the vapor deposition or both. Clarification and appropriate amendments are requested.

In claim 4, the phrase “implementing the temperature treatment after cooling” is vague and confusing and/or lacks antecedent basis. Is there another temperature treatment after the cooling step or is the claim merely limiting the cooling temperature? In addition, is the water vapor part of the cooling of the depositing? The same limitation applies to claims 6 and 7.

In claim 8, the phrase “to form an x-ray storage luminophore CsBr” is deemed vague and confusing because independent claim 14, from which claim 8 depends from, requires forming a luminophore. Hence, claim 8 appears to contradict claim 14.

In claim 8, the subscripts “x” and “y” need to be defined.

In claim 9, the quantity “x” needs to be defined. Furthermore, it is not clear what “g” is defined as. Clarification and appropriate amendments are requested.

In claim 10, the phrase “mixing the alkali halogenide phase and the alkali halogenide” is deemed not further limiting as claim 14, from which claim 10 depends from, requires vaporizing a halogenide phase with a halogenide. This inherently requires mixing. Clarification and appropriate amendments are requested.

In claim 12, the subscripts need to be defined. In addition, the terms “M” and “M” need to be defined. In addition, the definition of M^+ is deemed confusing as M^+ is not recited in the equation. The same issue applies to claim 13.

The examiner appreciates any clarification to the instant claims as a proper search cannot be conducted without knowing what the exact limitations and parameters are.

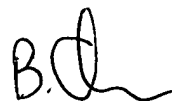
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to B. Chen whose telephone number is (571) 272-1417. The examiner can normally be reached on 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bc
4/2/06



BRET CHEN
PRIMARY EXAMINER